IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A method for measuring dynamic linearity of an acceleration sensor, comprising:

generating an elastic wave pulse in a metal rod (1) by impacting one of end surfaces (2) of the metal rod with each of two round, concentrically located projectiles (8, 10) from a double launch tube (4, 5) independently, and by impacting both projectiles simultaneously or at a prescribed time interval,

using an acceleration sensor (23) provided on the other of the end surfaces (22) of the metal rod to measure an acceleration of the other end surface arising when the elastic wave pulse generated by the impact of the projectiles reflects at the other end surface, and

using an optical measuring instrument (24) to measure and calculate the acceleration of the other end surface,

wherein the dynamic linearity of the acceleration sensor is obtained by comparing in time domain and frequency domain an acceleration output signal of the acceleration sensor when two projectiles are impacted simultaneously or at a prescribed time interval with a sum of acceleration signals obtained when two projectiles are launched separately, measured and calculated by the optical measuring instrument.

Claims 2-33 (Canceled).